

myristoylglycine part, which is useful for analysis of properties of proteins.

Dwg.0/3

? S PN=JP 2193914

S2 1 PN=JP 2193914

? T 2/3,AB/1

2/3,AB/1

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

008385630

WPI Acc No: 1990-272631/\*199036\*

XRAM Acc No: C90-117977

**Release-controlled matrix prepn. - comprises medicated component, slightly water soluble substance, polycation and polyanion**

Patent Assignee: SUMITOMO SEIYAKU KK (SUMU )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2193914	A	19900731	JP 8914522	A	19890123	199036 B

Priority Applications (No Type Date): JP 8914522 A 19890123

Abstract (Basic): JP 2193914 A

Prepn. comprises a matrix contg. (1) a mediated component, (2) slightly water soluble substance, (3) polycation, and (4) polyanion.

The medicated component is arotinol hydrochloride (5-(2-(3-tert butylamino -2-hydroxypropyl)thio)-4-thiazolyl -2-thiophene carbox. The slightly water soluble substance is e.g. polyvinyl acetate, ethyl cellulose, cellulose acetate, polyethylene bee wax, carnauba wax, sorbitane monostearate, glyceryl monostearate, or stearic acid. The polycation is e.g. polylysine, vinyl pyridine styrene copolymer, aminoalkyl methacrylate copolymer or a mixt. The polyanion is e.g. polyglutamic acid, hydroxypropyl methyl cellulose phthalate, carboxy methyl ethyl cellulose, or a mixt. The release-controlled prepn. can contain other additives such as cornsarch, lactose, crystalline cellulose, calcium carboxymethyl cellulose, gelatin, magnesium stearate, talc, or pigments and flavours.

USE/ADVANTAGE - Addn. of slightly water soluble substance, polycation and polyanion to the matrix can control the release of the medicated component.

Dwg.0/0

? S PN=JP 4215760

S3 1 PN=JP 4215760

? T 3/3,AB/1

3/3,AB/1

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

009184122

WPI Acc No: 1992-311559/\*199238\*

XRAM Acc No: C92-138383

XPX Acc No: N92-238362

**Coating of medical appliance and implant for high surface lubricity - has**

island-shaped discontinuous film formed under coating, surface of film  
oxidised to form peroxide residual groups, vinyl type hydrophilic monomer

Patent Assignee: SUMITOMO BAKELITE CO (SUMB )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 4215760	A	19920806	JP 90419191	A	19901213	199238 B

Priority Applications (No Type Date): JP 90419191 A 19901213

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 4215760	A		5	A61L-033/00	

Abstract (Basic): JP 4215760 A

An island-shaped discontinuous film is formed as an under coating. The surface of the film is oxidised to form peroxide residual gps. A vinyl type hydrophilic monomer(s) is then graft-copolymerised with the surface. The monomer is pref. added with at least one of di- and higher-functional vinyl monomers and graft-copolymerised.

Alternatively, an island-shaped discontinuous film having free prim. and/or sec. amino gps. on the surface is formed as an under coating. Ethylene oxide, instead of vinyl monomer, is graft-copolymerised solely or with other copolymerising olefin oxides.

Residual gps. for the under coating include -NH<sub>2</sub>, -NRH (where R = -CH<sub>3</sub>, -C<sub>2</sub>H<sub>5</sub>, -C<sub>3</sub>H<sub>7</sub> or other alkyl or phenyl), -CH<sub>2</sub>(-) and -CRH(-) (R = -CH<sub>3</sub>, -C<sub>2</sub>H<sub>5</sub>, -C<sub>3</sub>H<sub>7</sub> or other alkyl or phenyl). Polymers for the under coating include polyethylene, polypentene, acryl resin, polyacrylonitrile, polystyrene, AS resin, PBT resin and ethylene-propylene terpolymer. Polymers for the graft copolymerisation of olefin oxide monomers include polylysine, polypropylene imine and albumin polymers made insoluble by crosslinking with aldehydes, isocyanates and carboxylic acids.

USE/ADVANTAGE - Gives improved surface lubricity and high compatibility with tissues of the body. The appliances and implant materials obtd. have high functionality, strength and safety.

Dwg.0/0

? S PN=JP 4244015

S4 1 PN=JP 4244015

? T 4/3,AB/1

4/3,AB/1

DIALOG(R) File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

009210299

WPI Acc No: 1992-337721/\*199241\*

XRAM Acc No: C92-150272

XRPX Acc No: N92-257670

Hybrid-type artificial pancreas prepn. - by including and fixing pancreatic Langerhans islet with polymer and cultivating in-vitro to avoid hyperglycaemia of animals, which have under-gone organ transplantation, etc.

Patent Assignee: SEKISUI CHEM IND CO LTD (SEKI )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
-----------	------	------	-------------	------	------	------